PATENT COOPERATION TREATS

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

То:

Assistant Commissioner for Patents United States Patent and Trademark Office

Box PCT

Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 11 November 1999 (11.11.99)	in its capacity as elected Office
International application No. PCT/US99/05978	Applicant's or agent's file reference 1807.007PC01
International filing date (day/month/year) 19 March 1999 (19.03.99)	Priority date (day/month/year) 20 March 1998 (20.03.98)
Applicant JAMMAL, Shahnaz et al	

The designated Office is hereby notified of its election made:
X in the demand filed with the International Preliminary Examining Authority on:
14 October 1999 (14.10.99)
in a notice effecting later election filed with the International Bureau on:
The election X was
was not
made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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PATENT COOPERATION TRATTY

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REC'D 0 3 JUL 2000

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	Y				
Applicant's or agent's file reference 1807.007PC01	plicant's or agent's file reference 1807.007PC01 FOR FURTHER ACTION See Notification of Transmittal of Internation Preliminary Examination Report (Form PCT/IPEA/41)				
International application No.	International filing date (de	ay/month/year)	Priority date (day/month/year)		
PCT/US99/05978	19 MARCH 1999		20 MARCH 1998		
	International Patent Classification (IPC) or national classification and IPC IPC(7): GO6F 157,00 and US Cl.: 705/38				
Applicant IQ FINANCIAL SYSTEMS, INC.					
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of sheets. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). 					
These annexes consist of a to					
3. This report contains indication	is relating to the following	ng items:			
I X Basis of the repo	rt				
II Priority			·		
ا ا					
III Non-establishmer	nt of report with regard to	o novelty, inven	tive step or industrial applicability		
IV Lack of unity of	invention				
V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents	cited				
VII Certain defects in t	the international application	n			
VIII Certain observations on the international application					
Date of submission of the demand		Date of completion	n of this report		
14 OCTOBER 1999		30 MAY 2000			
Name and mailing address of the IPEA/	'US '	Authorized officer			
Commissioner of Patents and Trader Box PCT Washington, D.C. 20231		FRANTZY PO	DINVIL JUGERRA SUGGER		
Facsimile No. (703) 305-3230		Telephone No.	(703) 305-9779		

I. Basis of	the report			
1. This report has been drawn on the basis of (Substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments):				
x	the internationa	al application as originally filed.		
X	the description,	, pages 1-30 , as originally filed.		
		pages NONE , filed with the demand.		
		pages NONE , filed with the letter of		
		pages, filed with the letter of		
x	the claims,	Nos. 1-24 , as originally filed.		
		Nos. NONE , as amended under Article 19.		
		Nos. NONE , filed with the demand.		
		Nos. NONE , filed with the letter of		
		Nos, filed with the letter of		
x	the drawings,	sheets/fig 1-13 , as originally filed.		
		sheets/fig NONE , filed with the demand.		
		sheets/fig NONE , filed with the letter of		
		sheets/fig, filed with the letter of		
x	the claims,	Nos. NONE		
x	the description,	, pages NONE		
	the drawings,	sheets/ fig NONE		
x	die diawings,	silects/rig .vo.va		
This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box Additional observations below (Rule 70.2(c)). 4. Additional observations, if necessary:				
NONE				

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	STATEMENT			
	Novelty (N)	Claims Claims	2-7, 9-17, 19 AND 21-24 1, 8, 10, 18 AND 20	YES NO
	Inventive Step (IS)	Claims Claims	2-7, 9, 11-17, 21-22 AND 24 1, 8, 10, 18-20 AND 23	YES NO
	Industrial Applicability (IA)	Claims Claims	1-24 NONE	YES NO

2. CITATIONS AND EXPLANATIONS

Claims 1, 8, 18 and 20 lack novelty under PCT Article 33(2) as being anticipated by Dykstra et al.

As per claims 1 and 20, Dykstra et al discloses a credit evaluation and loan processing system having computer code means for performing credit evaluation. The system comprises receiving first inputs indicative of whether a borrower has previously defaulted on financial obligation and second inputs comprising a plurality of credit factors indicative of the ability of the borrower to repay a financial obligation in the predefined market from the credit bureau computers. Note column 4, line 41 to column 6, line 43. Determining a set of weights to be placed on each of the plurality of credit factors and calculating using the plurality of credit factors and the set of weights a probability of default to the borrower is taught on column 6, lines 4-41 of Dykstra et al.

As per claim 8, the system of Dykstra et al uses computer modeling and scoring models using iteration for producing new calculated values. Note also column 6, lines 4-41.

Claim 18 is a system claim drafted in means plus function format. The claimed functions are obvious over the same reasoning applied to claim 1 above. Claim 18 further recites a general database that contains a record for each borrower wherein the record includes the corresponding ones of the plurality of weights, the plurality of inputs and the plurality of second inputs for each borrower. As per these limitations, applicant is directed to column 5, lines 41-66 of Dykstra et al.

Claims 10, 19 and 23 lack an inventive step under PCT Article 33(3) as being obvious over Dykstra et al.

The teachings of Dykstra et al are discussed above. As per claims 10, 19 and 23, Potter et al teaches outputting the probability of default for each of the borrowers. Note column 7, lines 8-40. Having a graphical output would have been obvious to the skilled a tisan with the motivation of providing applicant a visual appearance or reason as to why he/she has been approved or denied.

Claims 2-7, 9, 11-17, 21-22 and 24 meet the criteria set out (Continued on Supplemental Sheet.)

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued):

in PCT Article 33(2)-(4), because:

the prior art does not teach or fairly suggest setting each of the set of weights to a new calculated value when determining the level of fitness is not a good fit as recited in claim 2.

The prior art taken alone or in combination fails to teach or suggest using the value as input into Equation (1) to calculate the probability of default for the borrower as recited in claim 9.

	prior are taken alone or in comunication of credit factors as recited.		suggest generating a new	set of weights to be placed on	
	prior art taken alone or in com		suggest code means for c	ausing the computer to set each	1
of the set of weights to a new calculated value when the eighth code means determines the level of fitness is not a good fit as recited in claim 21.					
The pas input into E	prior art taken alone or in com Equation (1) to calculate the pro prior art taken alone or in com mputer readable code means de	bbability of default for the bination fails to teach or	e borrower as recited in c suggest means for causing	laim 22. g the computer to generate	
	urality of credit factors as recite		orgins are unstable, a nev	set of weights to be placed of	11
	NEW CITATIONS				
NONE					
•	t				





International application No. PCT/US99/05978

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : GO6F 157:00					
US CL :705/38					
	According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED				
Minimum d	ocumentation searched (classification system follower	d by classification symbols)	· · · · · · · · · · · · · · · · · · ·		
U.S. :	705/38-40				
Documentat	ion searched other than minimum documentation to the	extent that such documents are included i	n the fields searched		
Electronic d	lata base consulted during the international search (na	me of data base and, where practicable,	search terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
X	US 5,611,052 A (DYKSTRA ET COLUMN 4, LINE 41 TO COLUMN		1, 2, 8, 18-21 AND 23		
A	US 5,239,462 A (JONES ET AL.) 24 A LINE 49 TO COLUMN 7, LINE 30.	1, 2, 8, 18-21 AND 23			
A	US 5,262,941 A (SALADIN ET A. COLUMN 8, LINES 40-60.	1, 2, 8, 18-21 AND 23			
Furth	ner documents are listed in the continuation of Box C	See patent family annex.	1		
"A" dos	ecial categories of cited documents: cument defining the general state of the art which is not considered be of particular relevance	'T' later document published after the inte date and not in conflict with the appl the principle or theory underlying the	ication but cited to understand		
·E· ear	tlier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone			
Cité	cument which may throw doubts on priority claim(s) or which is ed to establish the publication date of another citation or other ecial reason (as specified)	*Y* document of particular relevance; the	e claimed invention cannot be		
	cument referring to an oral disclosure, use, exhibition or other	considered to involve an inventive combined with one or more other such being obvious to a person skilled in t	documents, such combination		
P document published prior to the international filing date but later than *&* document member of the same patent family the priority date claimed			family		
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report		
30 APRIL 1999 20 MAY 1998					
	mailing address of the ISA/US oner of Patents and Trademarks	Authorized officer	. 0		
Box PCT	Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230 Telephone No. (703) 305-9779				
Facsimile N	No. (703) 305-3230	Telephone No. (703) 305-9179			